

10/31/2023

### Hydrogen Economy Emerging -Jobs-

David Park, Industry Affairs, dpark@h2fcp.org

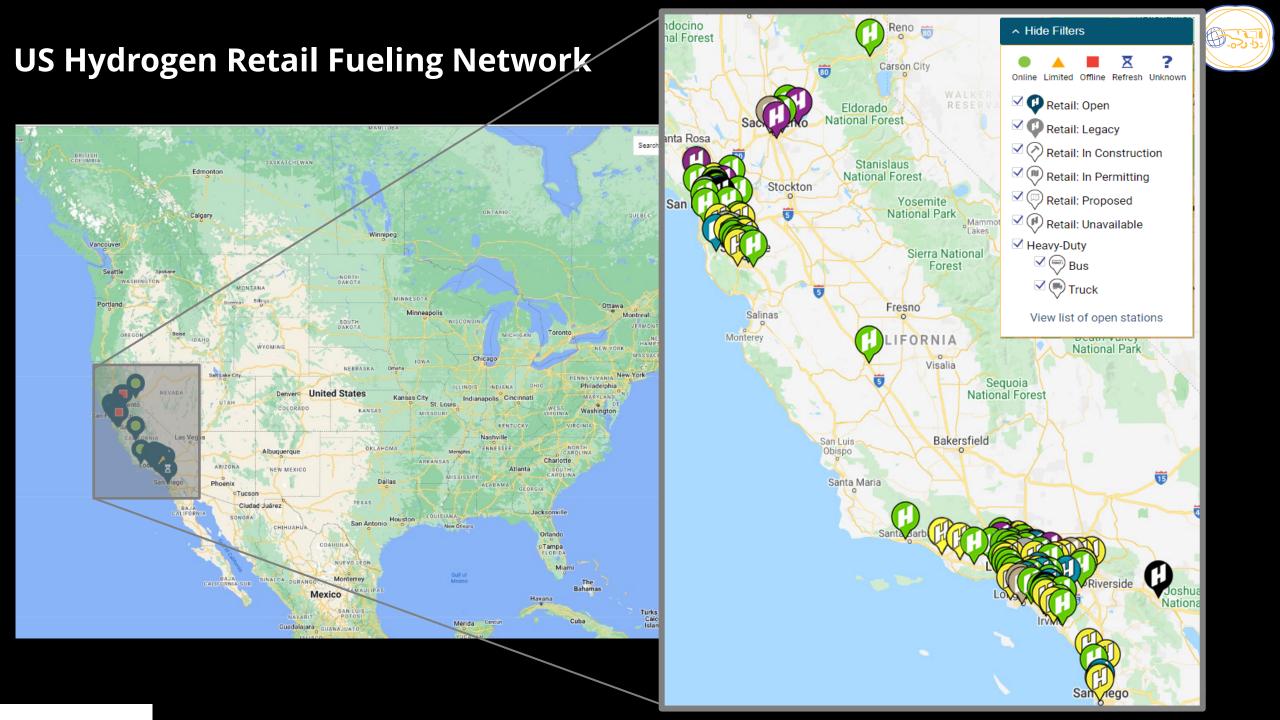
Mobilize Summit 2023 Hydrogen Infrastructure Training



# Light-duty Retail Hydrogen Fueling Station







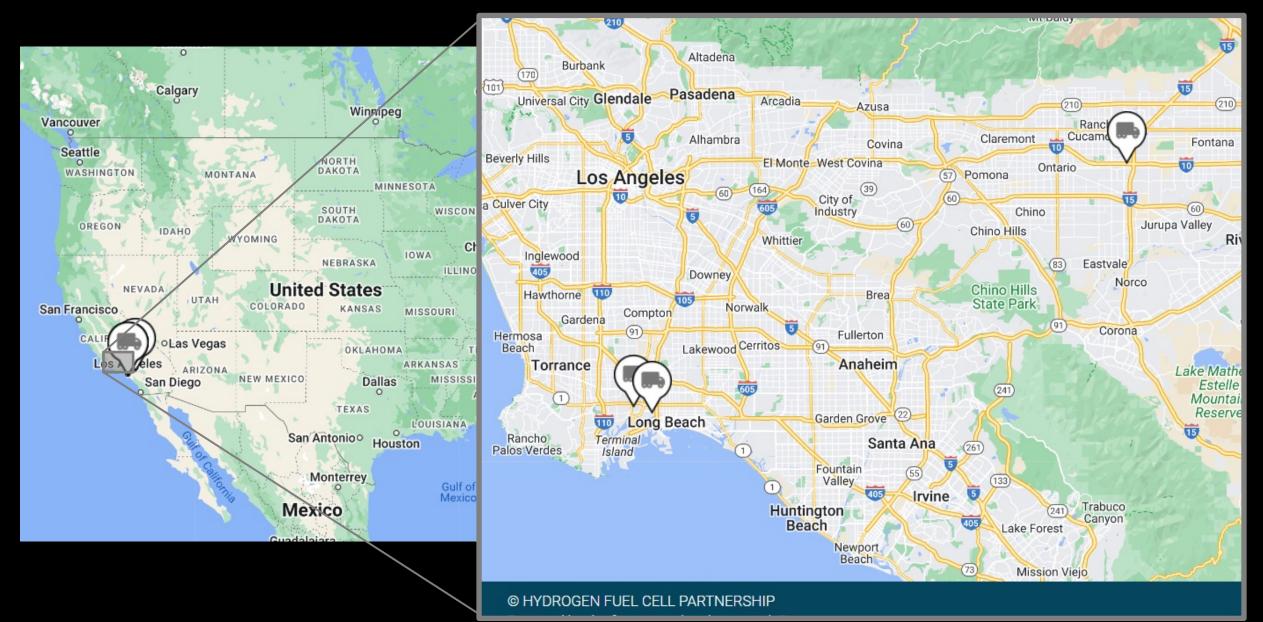


# 55 Hydrogen fueling stations supporting 17,742 fuel cell-electric automobiles

m.h2fcp.org

#### **US Commercial Truck Hydrogen Fueling Network**

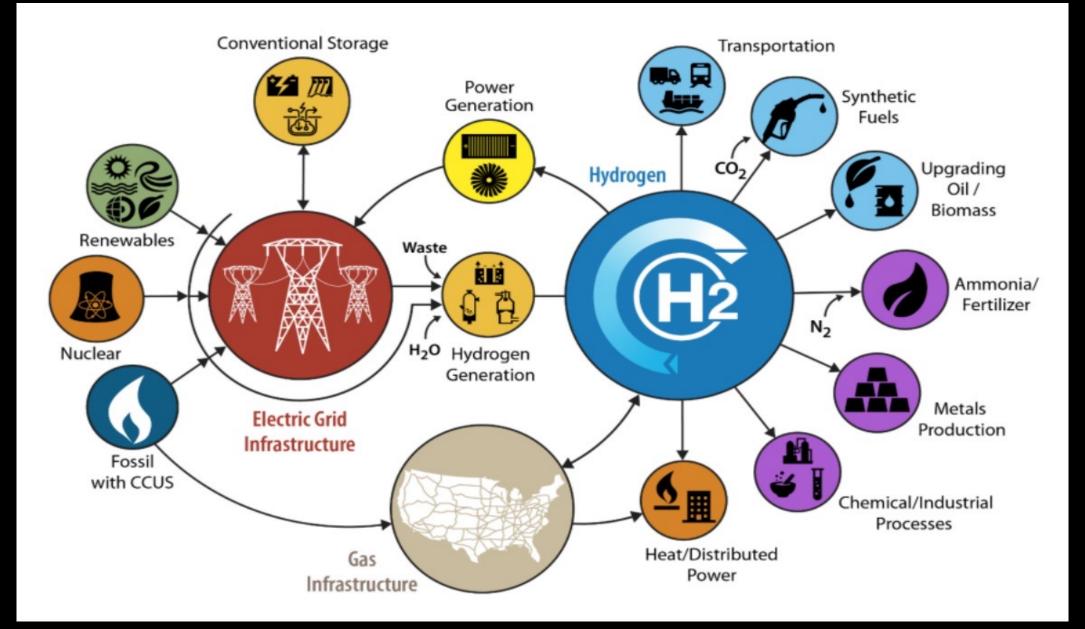




#### Heavy-duty Commercial Truck Hydrogen Fueling Station







#### **United States Hydrogen Market Drivers**

# US federal government's average annual climate spending (\$ billions)

Inflation Reduction Act 2022

- Infrastructure Investment and Jobs Act 2021
- CHIPS and Science Act 2022





2020-2029)

Source: RMI, Credit Suisse estimates

2000-2008)

(1990 - 1999)



## SELECTED REGIONAL CLEAN HYDROGEN HUBS

### Pacific Northwest Hydrogen Hub

California Hydrogen Hub

Hydrogen Energy Systems (ARCHES) Heartland Hydrogen Hub Heartland Hub (HH2H)

> Midwest \*\* Hydrogen Hub Midwest Alliance for Clean Hydrogen (MachH2)

> > Appalachian Hydrogen Hub

Appalachian Regional Clean Hydrogen Hub (ARCH2) Mid-Atlantic Hydrogen Hub Mid-Atlantic Clean Hydrogen Hub (MACH2)

Gulf Coast Hydrogen Hub

HyVelocity H2Hub

Proposed H2 Facility

Selected H2Hubs

**A**lliance for Renewable Clean Hydrogen Energy Systems

#### CALIFORNIA AWARDED UP TO \$1.2 BILLION TO CREATE A RENEWABLE HYDROGEN HUB





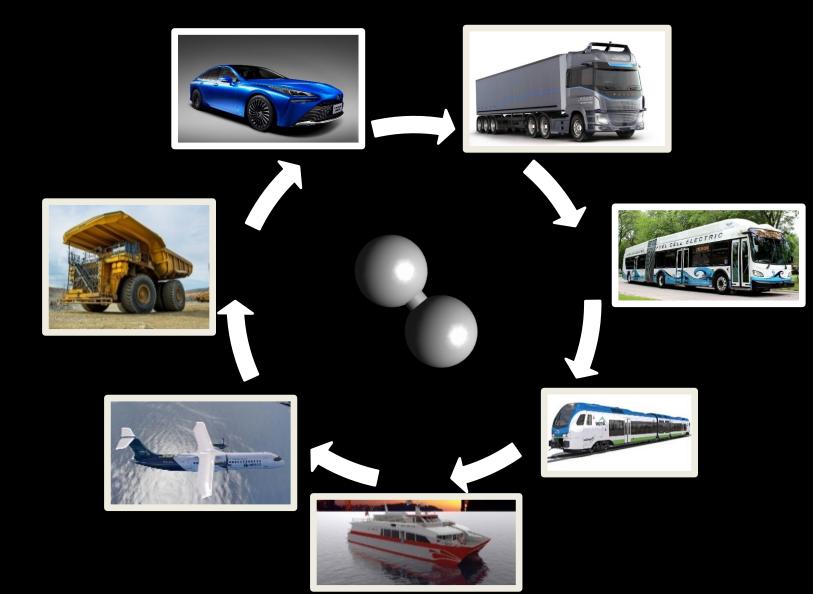
#### Hydrogen Fuel Cell Class 8 Tractor Developers





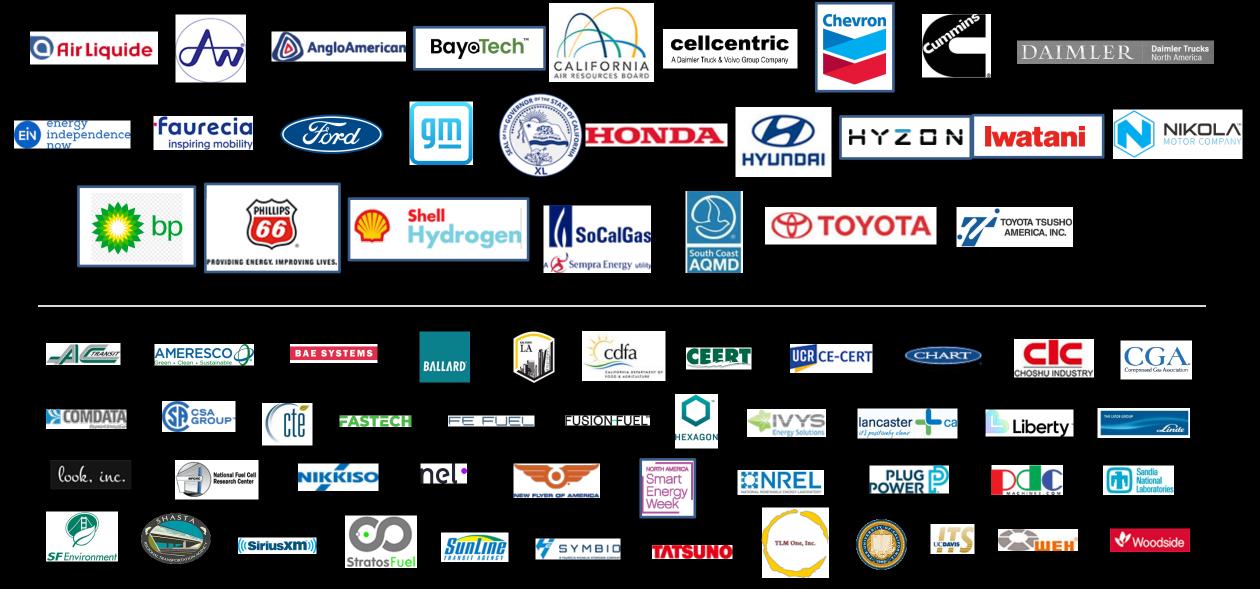
- Daimler Truck / Cellcentric / Toyota
- Freightliner / Daimler Truck / Cummins
- Hino Trucks / Toyota
- Hyundai
- Hyzon Motors
- Isuzu / Honda
- Navistar / GM
- Nikola Motors
- PACCAR (Kenworth, Peterbilt) / Toyota
- Quantron
- Volvo / Cellcentric

# Hydrogen and Fuel Cell Transportation-An Ecosystem Approach



# **H2FCP** Members





- 23 years of collaboration -